PRESIDENTIAL ADDRESS:

The Tropical Grassland Society and the Modern World—B. H. Ford.... 1

CONTRIBUTED PAPERS:

The effect of seedbed type on the establishment of legumes and grasses at four sites in North Queensland—D. P. Thomson, J. G. McIvor and C. J. Gardener.. 3

Urea and molasses as a winter supplement for weaner steers grazing improved pasture in Central Queensland—T. W. G. Graham, S. J. Wood, J. L. Knight and G. W. Blight 11

The sulphur and sodium content of forage sorghum in New South Wales—J. L. Wheeler, A. B. Dale and D. A. Hedges 20

Effect of summer and winter grazing on growth habit of Kenya white clover (*Trifolium semipilosum*) cv. Safari in a mixed sward—R. J. Sproule, H. M. Shelton and R. M. Jones 25

The effects of fire on a buffel grass and Siratro pasture—L. 't Mannetje, S. J. Cook and J. H. Wildin 30

Productivity of six ryegrass (*Lolium* spp.) cultivars grown as irrigated annuals in the Burnett District of South-East Queensland—G. B. Robbins and G. B. Faulkner... 49

Seed production of pasture species in a tropical savanna region of Brazil. I. Legumes—R. P. de Andrade, D. Thomas and J. E. Ferguson 54

Seed production of pasture species in a tropical savanna region of Brazil. II. Grasses—R. P. de Andrade, D. Thomas and J. E. Ferguson 59

Molasses supplementation of steers grazing a tropical grass legume pasture in north Queensland—L. Winks, R. W. Walker, P. K. O'Rourke, I. D. Loxton, A. E. Holmes and K. A. Shaw 64

Grazing time and its diurnal variation in beef steers in coastal South-East Queensland—J. P. Ebersohn, J. Evans and J. F. Limpus 76

The effect of seedbed preparation and sowing time on the establishment of perennial *Stylosanthes* species—J. G. McIvor 82

Productivity of a beef breeder herd grazing fertilized pangola grass in the wet coastal lowlands of South-East Queensland—T. J. Tierney and W. J. Taylor 97

PRESIDENTIAL ADDRESS:

The Tropical Grassland Society and the Modern World—B. H. Ford.... 1

CONTRIBUTED PAPERS:

The effect of seedbed type on the establishment of legumes and grasses at four sites in North Queensland—D. P. Thomson, J. G. McIvor and C. J. Gardener.. 3

Urea and molasses as a winter supplement for weaner steers grazing improved pasture in Central Queensland—T. W. G. Graham, S. J. Wood, J. L. Knight and G. W. Blight 11

The sulphur and sodium content of forage sorghum in New South Wales—J. L. Wheeler, A. B. Dale and D. A. Hedges 20

Effect of summer and winter grazing on growth habit of Kenya white clover (*Trifolium semipilosum*) cv. Safari in a mixed sward—R. J. Sproule, H. M. Shelton and R. M. Jones 25

The effects of fire on a buffel grass and Siratro pasture—L. 't Mannetje, S. J. Cook and J. H. Wildin 30

Productivity of six ryegrass (*Lolium* spp.) cultivars grown as irrigated annuals in the Burnett District of South-East Queensland—G. B. Robbins and G. B. Faulkner... 49

Seed production of pasture species in a tropical savanna region of Brazil. I. Legumes—R. P. de Andrade, D. Thomas and J. E. Ferguson 54

Seed production of pasture species in a tropical savanna region of Brazil. II. Grasses—R. P. de Andrade, D. Thomas and J. E. Ferguson 59

Molasses supplementation of steers grazing a tropical grass legume pasture in north Queensland—L. Winks, R. W. Walker, P. K. O'Rourke, I. D. Loxton, A. E. Holmes and K. A. Shaw 64

Grazing time and its diurnal variation in beef steers in coastal South-East Queensland—J. P. Ebersohn, J. Evans and J. F. Limpus 76

The effect of seedbed preparation and sowing time on the establishment of perennial *Stylosanthes* species—J. G. McIvor 82

Productivity of a beef breeder herd grazing fertilized pangola grass in the wet coastal lowlands of South-East Queensland—T. J. Tierney and W. J. Taylor 97

Productivity of pastures and responses to salt supplements by beef cattle on native pasture in North-East Thailand—R. C. Gutteridge, H. M. Shelton, B. Wilaipon and L. R. Humphreys 105

Natural outcrossing in *Stylosanthes capitata*—J. W. Miles 114

Scope of siratro introduction into tropical grasslands of Central India—C. B. Singh 117

Evaluation of annual and perennial temperate pasture legumes at medium elevation in the tropics at Bali, Indonesia: A preliminary investigation—O. Nurjaya, I. M. Nitis and E. J. Britten 122

Chemical control of weeds in temperate winter dairy pastures on the Atherton Tableland—D. Hawton and I. D. G. Johnson 128

Utilisation of wet heath on the coastal lowlands of South-East Queensland with beef steers grazing at three stocking rates on pangola grass (*Digitaria decumbens*) with two rates of applied nitrogen fertilizer. 1. Animal and pasture production—T. J. Tierney and E. Goward. 132

Utilization of wet heath on the coastal lowlands of South-East Queensland with beef steers grazing at three stocking rates on pangola grass (*Digitaria decumbens*) with two rates of applied nitrogen fertilizer. 2. Pasture chemical composition and soil changes—T. J. Tierney and E. Goward 145

Productivity and persistence of horse gram (*Macrotyloma uniflorum*) under dry season grazing—I. B. Staples, P. A. Colman and D. E. Crowther 152

Supplementation with molasses of steers grazing fertilized pangola grass pastures—T. J. Tierney, J. Evans and W. J. Taylor 156

Preliminary studies on the performance of accessions of tropical fine stem stylo (*Stylosanthes guianensis* var. *guianensis*) in the eastern plains of Colombia—B. Grof 164

Use of *Leucaena leucocephala* to supplement yearling and two year old cattle grazing speargrass in South-East Queensland—A. H. Foster and G. W. Blight 170

TECHNICAL NOTES:

The effect of *Gliricidia* supplemented dry season forage on the milk yield and composition of MRY (Netherland) cows in Sri Lanka—P. A. Chadhokar 39

Soluble exalates in summer pastures on a mulga soil—R. G. Silcock and Flora T. Smith 179

Gliricidia sepium as a sole feed for small ruminants—B. A. R. Carew 181

PROCEEDINGS:

Mitchell grass management and other aspects of western Queensland rangelands—field meeting, Charleville, March 26 and 27, 1982 41

Pasture development in the spear grass country of central Queensland—field meeting, Rockhampton May 7 and 8, 1982 86

Computers and the primary producer field meeting, Miles Civic Centre and District, October 29 and 30, 1982 139

Research in and production of the dairy industry in the Fassifern District—field meeting, Mutdapilly Research Station—April 29th, 1983 184

AUTHOR INDEX

	Page		Page
Andrade, R. P. de	54, 59	Limpus, J. F.	76
Blight, G. W.	11, 170	Loxton, I. D.	64
Britten, E. J.	122	Mannetje, L. 't	30
Carew, B. A. R..	181	McIvor, J. G.	3, 82
Chadhokar, P. A.	39	Miles, J. W.	114
Cook, S. J.	30	Nitis, I. M.	122
Colinan, P. A.	152	Nurjaya, O.	122
Crowther, D. E.	152	O'Rourke, P. K.	64
Dale, A. B.	20	Robbins, G. B..	49
Ebersohn, J. P..	76	Shaw, K. A.	64
Evans, J.	76, 156	Shelton, H. M.	25, 105
Faulkner, (B..	49	Silcock, R. G....	179
Ferguson, J. E..	54, 59	Singh, C. B.	117
Ford, B. H.	1	Smith, F. T.	179
Foster, A. H.	170	Sproule, R. J.	25
Gardener, C. J...	3	Staples, I. B.	152
Goward, E.	132, 145	Taylor, W. J.	97, 156
Graham, T. W. G.	11	Thomas, D.	54, 59
Grof, B.	164	Thomson, D. P..	3
Gutteridge, R. C.	105	Tierney, T. J.	97, 132, 145, 156
Hawton, D.	128		
Hedges, D. A.....	20	Walker, R. W....	64
Holmes, A. E.....	64	Wheeler, J. L.....	20
Humphreys, L. R.	105	Wilaipon, B.	105
Johnson, I. D. G.	128	Wildin, J. H.	30
Jones, R. M.	25	Winks, L.	64
Knight, J. L.	11	Wood, S. J.	11